

Mouse Rnasen Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18939c**Specification**

Mouse Rnasen Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q5HZJ0](#)**Mouse Rnasen Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 14000**Other Names**

Ribonuclease 3, Protein Drosha, Ribonuclease III, RNase III, Drosha, Etohi2, Rn3, Rnasen

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Mouse Rnasen Antibody (Center) Blocking Peptide - Protein Information**Name** Drosha**Synonyms** Etohi2, Rn3, Rnasen**Function**

Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs (PubMed:26255770). Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies.

Cellular Location

Nucleus {ECO:0000250|UniProtKB:Q9NRR4}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9NRR4}. Note=A fraction is translocated to the nucleolus during the S phase of the cell cycle Localized in GW bodies (GWBs), also known as P-bodies {ECO:0000250|UniProtKB:Q9NRR4}

Mouse Rnasen Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

Mouse Rnasen Antibody (Center) Blocking Peptide - Images

Mouse Rnasen Antibody (Center) Blocking Peptide - Background

Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, RNASEN/DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies (By similarity).

Mouse Rnasen Antibody (Center) Blocking Peptide - References

Chong, M.M., et al. Genes Dev. 24(17):1951-1960(2010)Yang, J.S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(34):15163-15168(2010)Michon, F., et al. Dev. Biol. 340(2):355-368(2010)Wu, H., et al. PLoS ONE 4 (10), E7566 (2009) :Shenoy, A., et al. PLoS ONE 4 (9), E6971 (2009) :